

High School to College and Career Pathway: Secondary

Area of Study: Skilled & Technical Sciences Education



Pathway: Mechanics & Repairs Electronics

| Middle School | | State Requirements | | | High School Suggested Education Plan | | | | College & Careers |
|--|--|--|--------------------------------|-------------|--|---|-------------------------------------|-------------------------------------|---|
| 7 th Grade | 8 th Grade | Middle School | | High School | 9 th Grade Suggested | 10 th Grade Suggested | 11 th Grade Suggested | 12 th Grade Suggested | Beyond High School |
| Language Arts 7 1.00 | Language Arts 8 1.00 | 2.00 | Language Arts | 3.00 | Language Arts 9 1.00 | Language Arts 10 1.00 | Language Arts 11 1.00 | (1 additional credit—class of 2011) | <p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <p>> Certificate</p> <p>> Associate degree</p> <p>> Bachelor's degree</p> <p>> Professional degree</p> <p>> On-the-job training</p> <p>> Apprenticeship</p> <p>> Military training</p> |
| Pre-Algebra 1.00 | Elem. Algebra or Applied Math 1.00 | 2.00 | Math | 2.00 | Geometry or Applied Math II 1.00 | Intermediate Algebra 1.00 | (1 additional credit—class of 2011) | | |
| Science .50 | Science 1.00 | 1.50 | Science | 2.00 | Earth Systems 1.00 | Physics 1.00 or Physics with Technology 1.00 | (1 additional credit—class of 2011) | | |
| Utah Studies .50 | U.S. History I 1.00 | 1.50 | Social Studies | 2.50 | Geography for Life .50 | World Civilizations .50 | U.S. History II 1.00 | U.S. Government and Citizenship .50 | |
| P.E. 1.00 | Health .50 | 1.50 | P.E./Health | 2.00 | Participation Skills and Techniques .50 | Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50 | | | |
| The Arts .50 | The Arts .50 | 1.00 | Fine Arts | 1.50 | Fine Arts Courses 1.50 | | | | |
| | | | Financial Literacy | .50 | | | Financial Literacy .50 | | |
| Keyboarding .50 | | | Computer Tech. | .50 | Computer Technology .50 | | | | |
| CTE Intro 1.00 | | 1.00 | Career and Technical Education | 1.00 | | | | | |
| <p>Workforce Trends</p> <p>Employment will be limited by computer-aided design and other technologies that increase productivity. Opportunities will be best for those who have an associate's degree or extensive job training.</p> <p>Get the Facts</p> <p>A typical American household owns 25 electronic products.</p> | | <p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p> | | | Career and Technical Education Recommended Pathway Courses | | | | <p>1.50 credits</p> <p>1.50 credit</p> <p>3.00 credits for completion</p> |
| | | | | | (Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.) | | | | |
| | | | | | CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL | | | | |
| | | | | | Course # | Foundation Courses: (required) | | Credit | |
| | | | | | 47.0105 | Basic Electronics | | .50 | |
| | | | | | 47.0108 | Digital Electronics | | 1.00 | |
| | | | | | Elective Courses: | | | | |
| | | | | | 15.1301 | Drafting & Design Technology | | .50 | |
| | | | | | 46.0302 | Electrician 1 | | 1.00 | |
| | | | | | 47.0107 | Advanced Electronics | | 1.00 | |
| | | | | | 47.0604 | Introduction to Automotive | | .50 | |
| 48.0701 | Woodworking | | .50 | | | | | | |
| 32.0199 | Student Internship (Critical Workplace Skills) | | .50 | | | | | | |
| <p>Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.</p> | | | | | | | | | |

Note: For more information, talk to your school counselor.